

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

11/24
MAIL ROOM
NOV 1993
Re Application of
Patrick Casara
Serial No.: 07/986,636
Filed: December 7, 1992
Title: Novel Process For
Preparing 4-Amino-5-
Hexenoic Acid

) Examiner: Shippen, Michael L.
) Art Unit: 1204

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231, on

11-12-93

(Date of Deposit)

Signature

AMENDMENT PURSUANT TO 37 C.F.R. §1.115

The Honorable Commissioner
of Patents and Trademarks
Washington, D.C., 20231

Sir:

Please amend the above-referenced application as follows:

IN THE CLAIMS:

1. (Amended) The process for preparing 4-amino-5-hexenoic acid, [and] or its pharmaceutically acceptable salts thereof which comprises the steps:
- (a) thermally rearranging erythritol to 4-formyloxy-3-hydroxy-1-butene, in the presence of an excess of formic acid,
- (b) thermally rearranging 4-formyloxy-3-hydroxy-1-butene to ethyl 6-formyloxy-4-hexenoate, followed by the conversion of the formate to its corresponding alcohol ethyl 6-hydroxy-4-hexenoate,
- (c) converting the so-produced ethyl 6-hydroxy-4-hexenoate to ethyl 6-trichloroacetimidoxo-4-hexenoate by reaction with trichloroacetonitrile, followed by its thermal rearrangement to its imidate ethyl-4-trichloroaceto-amido-5-hexenoate which, by hydrolysis is converted to